

PACKAGE AIR HANDLING UNIT (DX COOLING W/ ELECTRIC HEAT)

MARK	SERVES	COOLING CAPACITY						HGRH COIL		EVAPORATOR FAN				ELECTRIC HEATING				CONDENSING UNIT				AMB. TEMP. °F	ELECTRICAL DATA				EER	REFRIG.	WEIGHT	MANUFACTURER	MODEL	REMARKS									
		TOTAL (MBH)	SENSIBLE (MBH)	ENTERING AIR TEMP.		LEAVING AIR TEMP.		LEAVING AIR TEMP.		NO.	TYPE	HP (EA)	CFM	ESP	O.S.A.	KW	CONTROL	VOLTS	PH	LAT	CONDENSER FAN		COMPRESSOR		MCA	MOCF							VOLTS	PH							
				DB°F	WB°F	DB°F	WB°F	BTU/HR	DB												WB		NO.	TYPE											FLA (EA)	NO.	FLA (EA)	CAP. STEPS	TYPE		
600-PAC-1	600-PROCESS AREA	284	174	82.1	68.9	50.3	50.2	107136	70.0	58.0	1	SWFI AF	5.0	5000	0.5	1500	60	SCR	460	3	61.0	98.7	2	PROP	5.2	2	22.9/18.6	MOD.	INVERT. + FIXED	95	84.6	100	460	3	10.7	R410A	3909	DAIKIN	DPS025A	1,2,3,4,5,6	
600-PAC-2	600-PROCESS AREA	284	174	82.1	68.9	50.3	50.2	107136	70.0	58.0	1	SWFI AF	5.0	5000	0.5	1500	60	SCR	460	3	61.0	98.7	2	PROP	5.2	2	22.9/18.6	MOD.	INVERT. + FIXED	95	84.6	100	460	3	10.7	R410A	3909	DAIKIN	DPS025A	1,2,3,4,5,6	
600-PAC-3	600-PROCESS AREA	284	174	82.1	68.9	50.3	50.2	107136	70.0	58.0	1	SWFI AF	5.0	5000	0.5	1500	60	SCR	460	3	61.0	98.7	2	PROP	5.2	2	22.9/18.6	MOD.	INVERT. + FIXED	95	84.6	100	460	3	10.7	R410A	3909	DAIKIN	DPS025A	1,2,3,4,5,6	
600-PAC-4	600-SHIPPING	120	82	78.3	66.0	53.4	53.0	54125	70.0	59.4	1	SWFI AF	8.0	4000	0.5	300	36	SCR	460	3	60.0	97.7	2	PROP	1.8	2	4.5/7.9	MOD.	INVERT. + FIXED	95	62.6	70	460	3	12.1	R410A	2302	DAIKIN	DPS010A	1,2,3,4,5,6,7	
600-DOAS-1	600-DEHUM ROOM	135	72	95.0	79.0	61.8	61.4	17831	70.0	64.1	1	SWFI AF	4.0	2000	0.5	2000	-	-	-	-	-	-	-	2	PROP	1.8	2	4.5/7.9	MOD.	INVERT. + FIXED	95	20.7	25	460	3	12.4	R410A	2126	DAIKIN	DPS010A	1,2,3,4,5,6,7

NOTES:
1. PROVIDE FACTORY MOUNTED UNIT CONTROLLER WITH A BACNET COMPATIBLE INTERFACE.
2. PROVIDE FIELD INSTALLED SERVICE OUTLET.
3. PROVIDE MERV 8 FILTERS.
4. PROVIDE HINGED ACCESS DOORS.
5. PROVIDE COIL HAIL GUARDS.
6. PROVIDE HOT GAS RE-HEAT COIL.
7. PROVIDE MANUFACTURER'S PLENUM CURB WITH HORIZONTAL DISCHARGE.

AIR DEVICE		KEY		NECK SIZE		CFM
MARK	TYPE	DESCRIPTION	SIZE	MANUFACTURER	MODEL	
A	SUPPLY	FLAQUE	24 x 24	TITUS	OMNI-AA	1
B	RETURN / EXHAUST	EGGCRATE	48 x 24	TITUS	50F	2
C	SUPPLY	DRUM	18 x 6	TITUS	DL	3
D	RETURN / EXHAUST	LOUVERED	36 x 34	TITUS	300RS-HD	4
E	RETURN / EXHAUST	LOUVERED	12 x 10	TITUS	300RS-HD	4
F	SUPPLY	LOUVERED	10 x 10	TITUS	300RS-HD	4
G	RETURN / EXHAUST	LOUVERED	24 x 24	TITUS	300RS-HD	4
H	SUPPLY	DRUM	20 x 10	TITUS	DL	3

NOTES:
1. FOR HARD CEILING, WHITE, ALUMINUM CONSTRUCTION, SQUARE PANEL FACE. PROVIDE MODEL "TRM" MOUNTING FRAME FOR GYPSUM CEILING LOCATIONS.
2. EGGCRATE RETURN/EXHAUST GRILLE. HARD CEILING MOUNTED. PROVIDE 1/2" x 1/2" x 1" CORE.
3. HIGH CAPACITY, LONG THROW DRUM LOUVER. ADJUSTABLE BLADES @ 3° O.C. ALUMINUM CONSTRUCTION, WHITE FINISH. PROVIDE REAR MOUNTED OPPOSED BLADE DAMPER.
4. HEAVY DUTY LOUVERED RETURN GRILLE. ALUMINUM CONSTRUCTION. 0° DEFLECTION BLADES @ 1/2" O.C.. BLADES PARALLEL TO LONG DIMENSION. SURFACE MOUNT BORDER.

AIR CURTAIN FANS													
MARK	DOOR DIMENSIONS		FAN DATA				MOTOR DATA			WEIGHT (LBS.)	MANUFACTURER	MODEL	REMARKS
	WIDTH	HEIGHT	CFM	RPM	NO.	HP	AMPS (EA)	VOLTS	PH				
600-AC-1	144"	168"	26100	1725	2	3.0	10.6	460	3	696	MARS	WM-144-2U-TSH	1,2
600-AC-2	144"	168"	26100	1725	2	3.0	10.6	460	3	696	MARS	WM-144-2U-TSH	1,2
600-AC-3	144"	168"	26100	1725	2	3.0	10.6	460	3	696	MARS	WM-144-2U-TSH	1,2
600-AC-4	144"	168"	26100	1725	2	3.0	10.6	460	3	696	MARS	WM-144-2U-TSH	1,2
600-AC-5	108"	96"	4137	1725	3	0.5	2.4	460	3	175	MARS	STD2-108-3U-OBH	1,2
600-AC-6	108"	96"	4137	1725	3	0.5	2.4	460	3	175	MARS	STD2-108-3U-OBH	1,2

NOTES:
1. PROVIDE CONCEALED MAGNETIC DOOR SWITCH
2. PROVIDE ANGLE IRON MOUNTING BRACKETS

EXHAUST FAN														
MARK	SERVES	TYPE	DRIVE	FAN DATA			MOTOR DATA			MAX SONES LEVEL	WEIGHT (LBS.)	MANUFACTURER	MODEL	REMARKS
				CFM	ESP	RPM	HP	VOLTS	PH					
600-EF-1	600-PROCESS AREA	UTILITY VENT SET	DIRECT	2000	1.0	1343	0.75	460	3	14.8	234	GREENHECK	USF-15	2,3,4,5,7
600-EF-2	600-CHEM MIXING	F.C. BLOWER	DIRECT	1600	1.0	1700	0.75	120	1	14.4	56	PLASTEC	P30ST6P075	2,3,4,5,8,9,10
600-EF-3	600-DEHUM. ROOM	SIDEWALL CENT.	BELT	2200	1.0	1571	1.0	460	3	12.6	83	GREENHECK	CJBE-140-15	1,2,3,4,5
600-EF-4	600-JANITOR	CEILING	DIRECT	70	0.5	850	0.125	120	1	0.3	12	GREENHECK	SP-A70	6

NOTES:
1. PROVIDE MANUFACTURER'S WALL MOUNT KIT.
2. PROVIDE ELECTRICAL DISCONNECT.
3. PROVIDE BACKDRAFT DAMPER.
4. PROVIDE BIRDSCREEN.
5. PROVIDE EXPLOSION PROOF MOTOR.
6. PROVIDE MANUFACTURER'S STANDARD GRILLE AND HANGING KIT. FAN TO BE INTERLOCKED WITH OCCUPANCY SENSOR.
7. PROVIDE BASE RAIL WITH SPRING ISOLATORS.
8. PROVIDE WITH MANUFACTURER'S MOUNTING HARDWARE AND 10" EXHAUST GUARD WALL CAP.
9. CCW-90 DISCHARGE ORIENTATION.
10. INSTALL VFD AND PID CONTROLLER TO ALLOW OWNER TO CALIBRATE THE BLOWER.

DUCTLESS SPLIT SYSTEM															
MARK	SERVES	INDOOR UNIT TYPE	COOLING (MBH)	HEATING (CFM)	CFM	ELECTRICAL DATA				SEER	REFRIG.	MANUFACTURER	MODEL		REMARKS
						MCA	FUSE	VOLTS	PH				INDOOR	OUTDOOR	
600-DSS-1	600-DSHP-1	SEE PLANS	9.0	9.6	381	10.0	15	208	1	12.5	R410A	DAIKIN	FTX09WMVJU9	RXL09WMVJU9	SEE NOTES

NOTES:
1. INDOOR UNIT POWERED BY THE OUTDOOR UNIT.
2. PROVIDE ELECTRICAL DISCONNECT AND WALL MOUNTED HARDWIRED THERMOSTAT.
3. PROVIDE HAIL GUARDS AND LOW AMBIENT KIT DOWN TO 0°F ON OUTDOOR UNITS.

DUCT HEATERS - ELECTRIC											
MARK	SERVES	CFM	KW	EAT	LAT	AMB. TEMP. °F	ELECTRICAL DATA			MANUFACTURER	REMARKS
							VOLTS	PH	AMPS		
600-DH-1	600-DEHUM. ROOM	2000	65	20	150	70	460	3	82	INDEECO	SEE NOTES

NOTES:
1. PROVIDE ELECTRICAL DISCONNECT SWITCH
2. HEATER TO BE INDUSTRIAL GRADE TUBULAR PROCESS AIR HEATER.
3. PROVIDE BUILT-IN THERMOSTAT.
4. STANDARD SHEET METAL FRAME FOR SLIP-IN DUCT MOUNTING.

Project

Anduril Industries - McHenry, MS
Rocket Motor Systems
Additions and Renovations to Buildings 300, 301,
302, 400, and 600 - McHenry, Mississippi

Design Phase

CONSTRUCTION DOCUMENTS

Revisions

No.	Date	Description
1	03-18-2024	RB 003
2	11-21-2024	RB 013

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Notes

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